

FIG. 1A

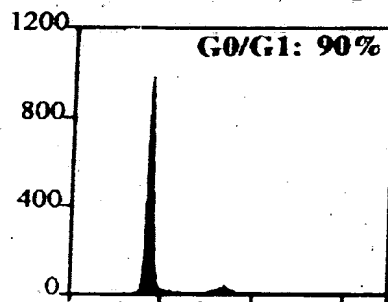


FIG. 1D

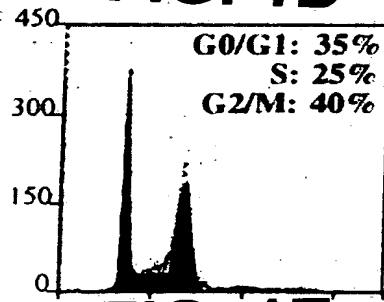


FIG. 1B

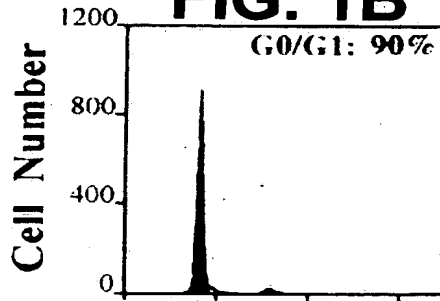


FIG. 1E

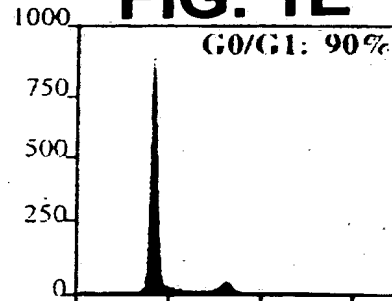


FIG. 1C

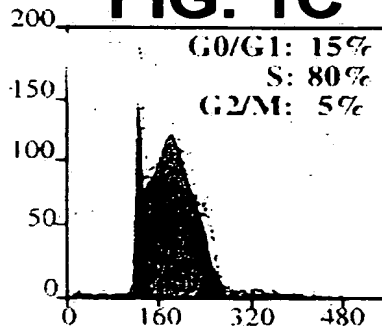
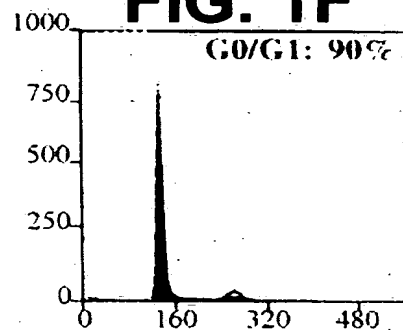


FIG. 1F



DNA Content

FIG. 1G

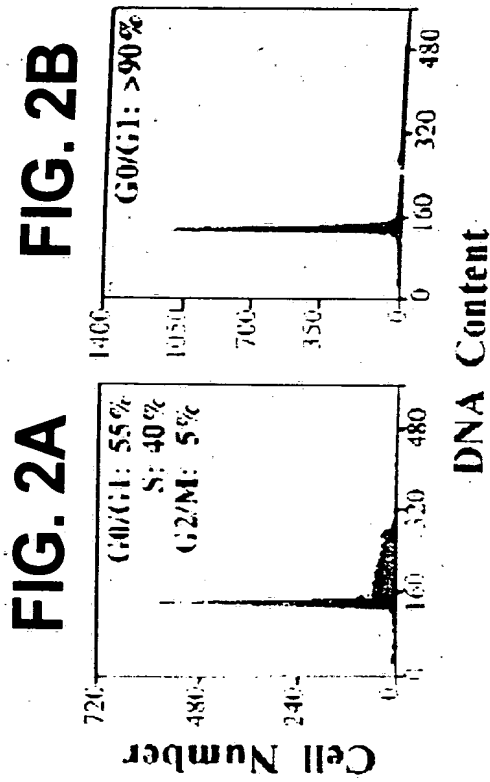


FIG. 3A

FIG. 3A

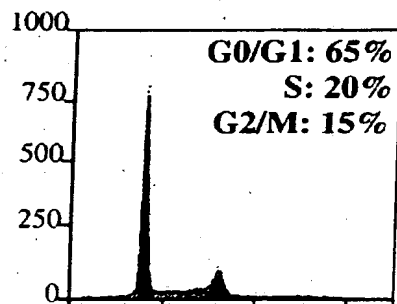


FIG. 3B

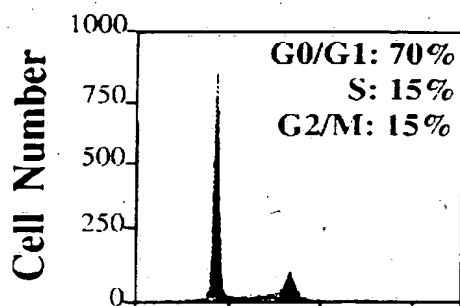


FIG. 3C

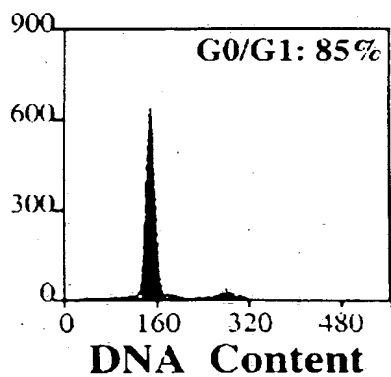


FIG. 3D

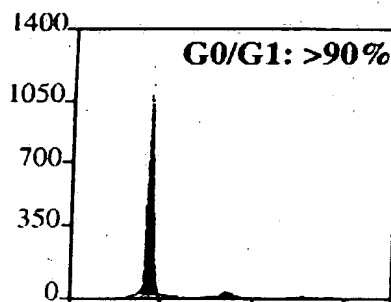
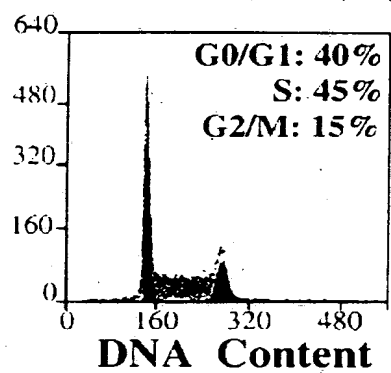


FIG. 3E



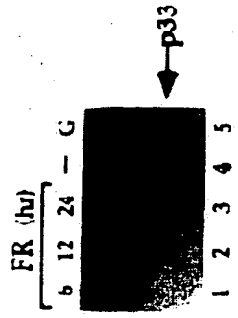


FIG. 3F

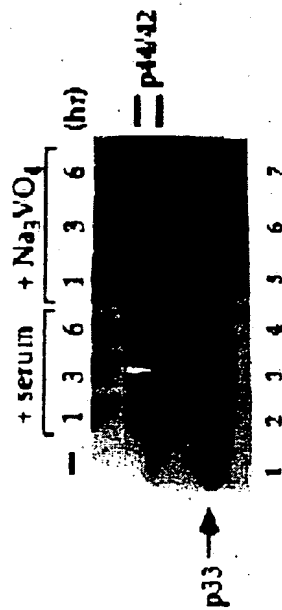


FIG. 4

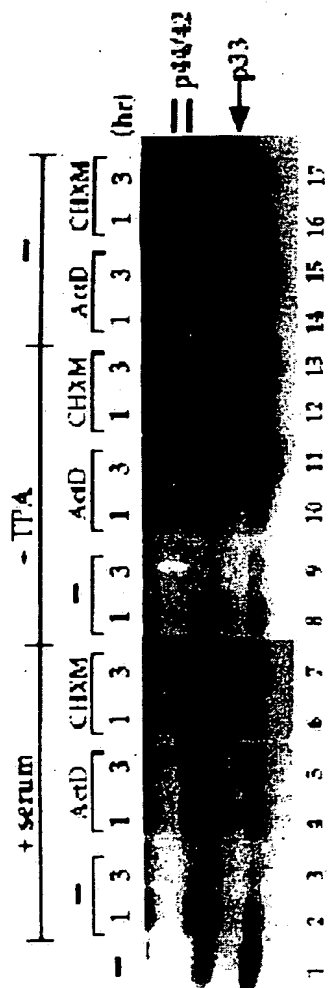


FIG. 5

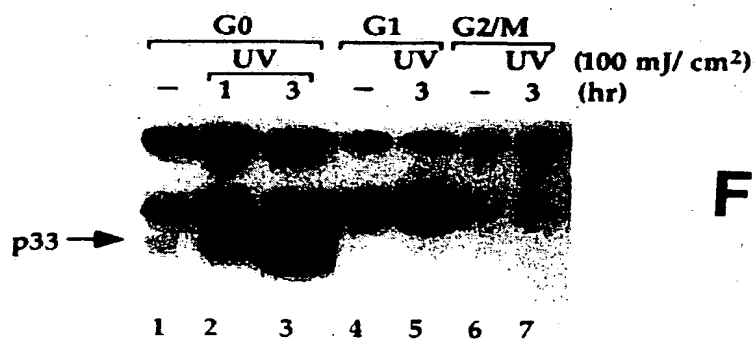


FIG. 6A

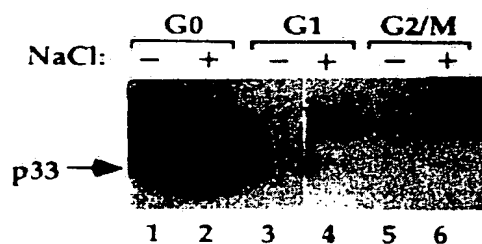


FIG. 6B

FIG. 7A



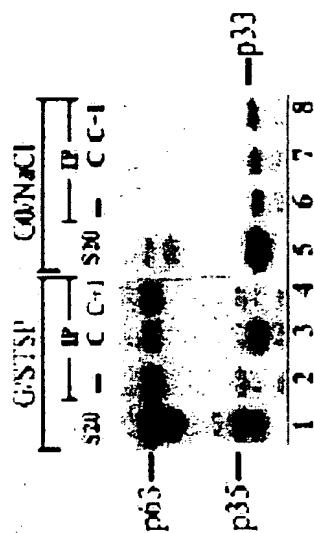


FIG. 8

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FIG. 9

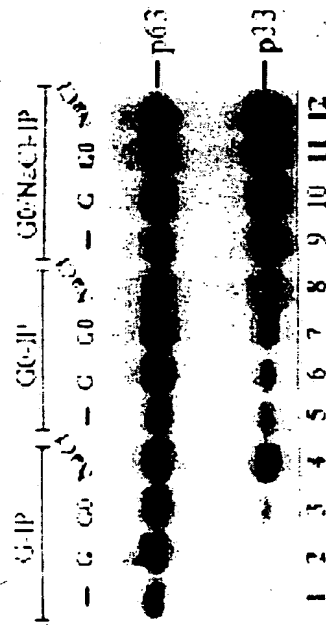


FIG. 10

Human p63Krs1/SAMK gene and encoded sequence

1. atggagcagccgcccggcgccctaagagtaaactaaaaaagctgagtgaaagacagtttgactaagcagcctgaagaa
1. M E Q P P A P K S K L K K L S E D S L T K Q P E E

76. gtttttgatgtattagagaagcttggagaagggtcttatggaagtgtattttaagcaatacacaaaggaatccggt
26. V F D V L E K L G E G S Y G S V F K A I H K E S G

151. caagttgtcgcgaattaaacaagtacctgttgaatcagatcttcaggaaataatcaaagaaatttccataatgcag
51. Q V V A I K Q V P V E S D L Q E I I K E I S I M Q

226. caatgtgacagcccatatgttgtaaagtactatggcagttattttaagaatacagacctctggattgttatggag
76. Q C D S P Y V V K Y Y G S Y F K N T D L W I V M E

301. tactgtggcgctggctctgtctcagacataattagattacgaaacaagacattaatagaagatgaaattgcaacc
101. Y C G A G S V S D I I R L R N K T L I E D E I A T

376. attcttaaatctacattgaaaggactagaatatttgcactttatgagaaaaatacacagagatataaaagctgga
126. I L K S T L K G L E Y L H F M R K I H R D I K A G

451. aatattctcctcaatacagaaggacatgcaaaattggcagattttggagtggtcgtcagttaacagatacaatg
151. N I L L N T E G H A K L A D F G V A G Q L T D T M

526. gcaaaacgcaatactgtaataggaactccattttggatggctcctgaggtgattcaagaaataggctataactgt
176. A K R N T V I G T P F W M A P E V I Q E I G Y N C

601. gtggccgacatctggtcccttggcattacttctatagaaatggctgaaggaaaaacctccttatgctgatatacat
201. V A D I W S L G I T S I E M A E G K P P Y A D I H

676. ccaatgagggtctatttttatgattcccacaaatccaccaccaacattcagaaagccagaacttttggtccgatgat
226. P M R A I F M I P T N P P P T F R K P E L W S D D

751. ttcaccgattttgttaaaaagtgtttggtgaagaatcctgagcagagagctactgcaacacaacttttacagcat
251. F T D F V K K C L V K N P E Q R A T A T Q L L Q H

826. ccttttatcaagaatgccaaacctgtatcaatattaagagacctgatcacagaagctatggagatcaaagctaaa
276. P F I K N A K P V S I L R D L I T E A M E I K A K

901. agacatgacgaacagcaacgagaattggaagaggaagaagaaaattcgatgaagatgagctggattcccacacc
301. R H D E Q Q R E L E E E E E N S D E D E L D S H T

976. atggtgaagactagtgtgggagagtgtggcaccatgcgggccacaagcacgatgagtgaagggggccagaccatg
326. M V K T S V G E C G T M R A T S T M S E G A Q T M

1051. attgaacataatagcacgatgttggaaatccgacttggggaccatggtgataaacagtgaggatgaggaagaagaa
351. I E H N S T M L E S D L G T M V I N S E D E E E E

1126. gatggaactatgaaaagaaatgcaacctcaccacaagtacaaagaccatctttcatggactactttgataagcaa
376. D G T M K R N A T S P Q V Q R P S F M D Y F D K Q

1201. gacttcaagaataagagtcacgaaaactgtaatcagaacatgcatgaacccttcctatgtccaaaaacgttttt
401. D F K N K S H E N C N Q N M H E P F P M S K N V F

FIG. 11A

1276. cctgataactggaaagttcctcaagatggagactttgactttttgaaaaatctaagtttagaagaactacagatg
 426. P D N W K V P Q D G D F D F L K N L S L E E L Q M

1351. cggtaaagcaactggaccccatgatggaacgggagatagaagaacttcgtcagagatacactgcaaaagacag
 451. R L K A L D P M M E R E I E E L R Q R Y T A K R Q

1426. ccattctggatgcatggatgcaaagaaaagaaggcagcaaaacttt tga 1476 (SEQ ID NO:1)
 476. P I L D A M D A K K R R Q Q N F 491 (SEQ ID NO:2)

Bold: predicted region of p33/36 in the Krs1 gene product, underline: antigen peptides

FIG. 11B

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